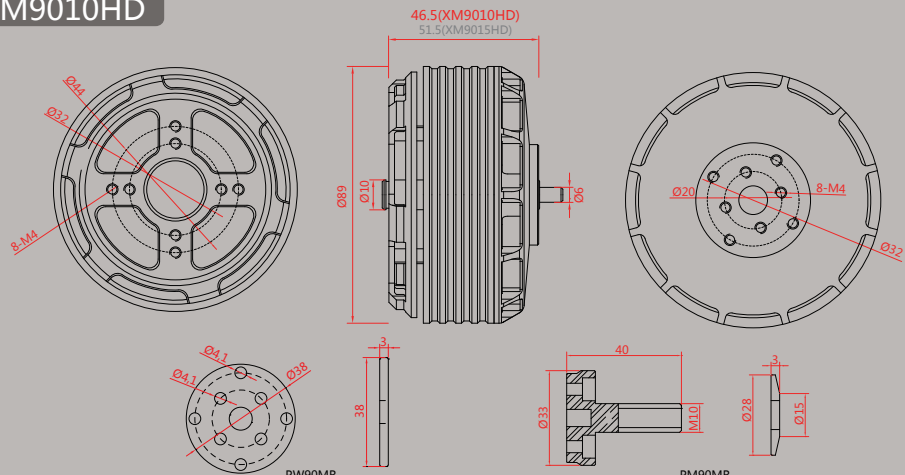


Dimensions

XM9010HD



Specification

2nd Generation Heavy duty series for Multi-copter	XM9010HD-6	XM9010HD-13
Item NO. (商品编码)	51452	51453
RPM/V (KV) (KV值)	300	140 High Voltage
Weight w/o wires(g) (重量)	525	525
Diameter(mm) (直径)	89	89
Length(mm) (长度)	46.5	46.5
Diameter of Shaft(mm) (轴径)	IN:10.0, Out:6.0	IN:10.0, Out:6.0
Propeller mounting holes [Pitch, Size] (mm) (桨安装孔距)	(A)20mm, 4-M4 (B)32mm, 4-M4	(A)20mm, 4-M4 (B)32mm, 4-M4
Motor mounting holes [Pitch, Size] (mm) (马达安装孔距)	(A)32mm, 4-M4 (B)44mm, 4-M4	(A)32mm, 4-M4 (B)44mm, 4-M4
Slots,Poles (极数)	24, 28	24, 28
Idle Current(Io) @10V(A) (空载电流)	2.5	0.8
Resistance(Ri)(mOhm) (电阻)	32	70
Nominal Voltage(V) (额定电压)	22.2V, 6S Lipo	30-51V, 10-12S Lipo
Cruising power(W)[30 mins] (巡航功率)	1150	1420
Bursts current(A)[30s] (最大电流)	94	58
Peak power(W)[30s] (峰值功率)	2100	2600
Input Wire (线规格)	14AWG, 1000mm	14AWG, 1000mm
Recommended ESC (调速器)	PCU 100	PCU 80HV
Propeller (螺旋桨配置)	MRP 22-24"	MRP 24"
Propeller adapters (螺旋桨适配器)	Yes	Yes
Centrifugal fan (离心式风扇设计)	Yes	Yes
Dynamic balanced rotor (转子动平衡)	Yes	Yes
Heavy duty design (大负载设计)	Yes	Yes
Water & dust proof (防水防尘)	Yes (IP34)	Yes (IP34)
Maintenance free (免维护)	Yes	Yes
Weight of Quad-copter(kg) (4轴重量)	12.8	15.8
Weight of Hex-copter(kg) (6轴重量)	19.2	23.7
Weight of Oct-copter(kg) (8轴重量)	25.6	31.6
Memo (备注)	For business agriculture spray	

XM9010HD (300KV)

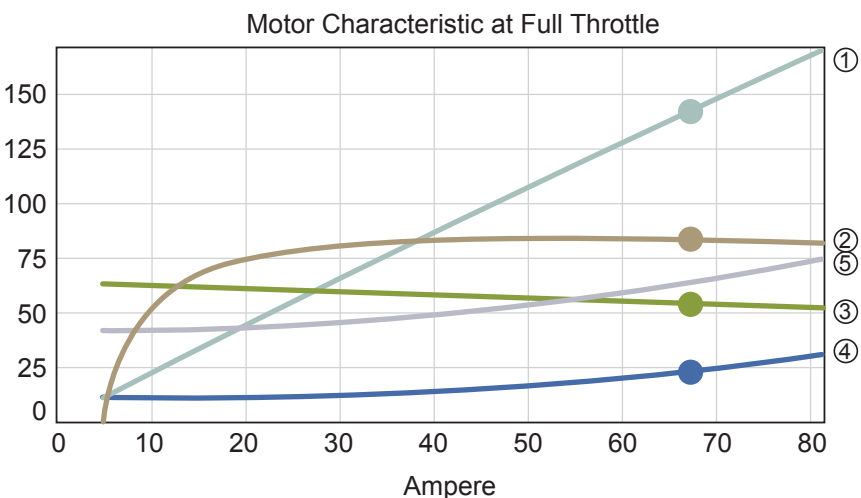
Motor @ Optimum Efficiency

最佳效率

Current(电流):	50.07A
Voltage(电压):	21.45V
Revolutions(转速):	5707rpm
Electric Power(输入功率):	1074.3W
Mech. Power(输出功率):	901W
Efficiency(效率):	83.9%

- ① el. Power [in 10W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]

Propeller Dualsky MRP 22X7



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (DC) (A)	Volage (DC) (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
22.2V (6S LIPO)	2000	33	3.6	22.2	78.9	75.1	930	11.8
	2400	40	5.9	22.1	129.4	79.1	1339	10.3
	2800	47	9.1	22.1	199.4	81.5	1822	9.1
	3200	54	13.3	22	292.6	82.9	2380	8.1
	3600	62	18.9	22	412.7	83.7	3012	7.3
	4000	70	25.9	21.9	563.5	84.1	3718	6.6
	4400	78	34.6	21.8	748.9	84.2	4499	6.0
	4800	86	45.3	21.6	973	84.1	5354	5.5
	5200	94	58.2	21.5	1239.8	84	6283	5.1
	5439	100	67.9	21.3	1437.8	83.1	6874	4.8

XM9010HD (140KV High Voltage)

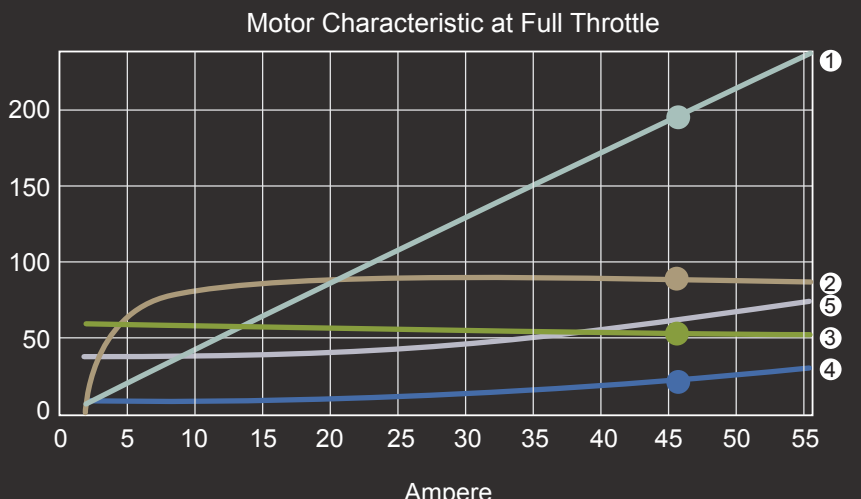
Motor @ Optimum Efficiency

最佳效率

Current(电流):	30.08A
Voltage(电压):	43.57V
Revolutions(转速):	5588rpm
Electric Power(输入功率):	1310.7W
Mech. Power(输出功率):	1171.3W
Efficiency(效率):	89.4%

- ① el. Power [in 10W]
- ② Efficiency [%]
- ③ max.Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]

Propeller Dualsky MRP 24X8



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (DC) (A)	Volage (DC) (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
44.4V (12S LIPO)	1600	27	1.3	44.4	58.5	80.5	847	14.5
	2000	35	2.4	44.3	108.3	84.8	1322	12.2
	2400	42	4.1	44.3	182.2	87.2	1904	10.5
	2800	49	6.5	44.2	285.2	88.4	2592	9.1
	3200	57	9.6	44.2	422.7	89.1	3386	8.0
	3600	64	13.6	44.1	600	89.4	4286	7.1
	4000	72	18.8	43.9	822.7	89.4	5290	6.4
	4400	80	25.1	43.8	1096.4	89.3	6401	5.8
	4800	88	32.8	43.6	1426.9	89.1	7618	5.3
	5200	97	42.1	43.3	1820.1	88.8	8940	4.9
	5350	100	46.3	43.2	1996.2	88.3	9466	4.7